

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
 Data File : BF084042.D
 Acq On : 23 Dec 2015 19:16
 Operator : UM/SJ
 Sample : G4912-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-2(0-2)

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.327	17	21	24	rVB	26206	37225	1.68%	0.111%
2	4.487	207	210	212	rBB	40983	59869	2.71%	0.178%
3	5.013	253	256	266	rBB	349524	570974	25.83%	1.699%
4	5.447	291	294	296	rBV	1704167	1889883	85.49%	5.623%
5	5.824	325	327	330	rBB	32642	30829	1.39%	0.092%
6	6.476	381	384	386	rBV	1572356	1798921	81.38%	5.353%
7	6.601	392	395	397	rBV	1426029	2054417	92.93%	6.113%
8	6.819	412	414	416	rBV	434664	363731	16.45%	1.082%
9	6.979	425	428	430	rBV	1724151	1653595	74.80%	4.920%
10	7.390	460	464	466	rBV	1106706	1350446	61.09%	4.018%
11	7.516	472	475	479	rVB	21032	37845	1.71%	0.113%
12	8.099	524	526	531	rVB2	434987	548170	24.80%	1.631%
13	8.819	586	589	591	rVB	59807	50781	2.30%	0.151%
14	8.910	596	597	599	rVB	27189	35517	1.61%	0.106%
15	9.185	618	621	623	rBV	2262560	2210604	100.00%	6.578%
16	9.276	626	629	632	rBV	19949	35851	1.62%	0.107%
17	9.447	642	644	647	rBV	20661	26853	1.21%	0.080%
18	9.516	648	650	652	rVV	44906	54501	2.47%	0.162%
19	9.573	653	655	658	rVV	353488	441677	19.98%	1.314%
20	9.630	658	660	663	rVV2	15871	29011	1.31%	0.086%
21	9.722	665	668	670	rVV	36705	34899	1.58%	0.104%
22	9.802	673	675	677	rVB	38153	41677	1.89%	0.124%
23	9.859	677	680	682	rBV	607248	598219	27.06%	1.780%
24	9.893	682	683	685	rVB	163803	118158	5.35%	0.352%
25	10.019	691	694	696	rBV3	21804	33168	1.50%	0.099%
26	10.065	696	698	700	rVV	123530	124686	5.64%	0.371%
27	10.099	700	701	704	rVB2	20333	27566	1.25%	0.082%
28	10.270	713	716	717	rBV	27163	40166	1.82%	0.120%
29	10.293	717	718	720	rVB	61097	55921	2.53%	0.166%
30	10.408	726	728	731	rVB	120897	133197	6.03%	0.396%
31	10.465	731	733	734	rBV2	24494	43789	1.98%	0.130%
32	10.522	736	738	740	rVV2	26703	47722	2.16%	0.142%
33	10.568	740	742	744	rVB	37598	46522	2.10%	0.138%
34	10.648	746	749	752	rBV	1241914	1321158	59.76%	3.931%

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35	10.773	757	760	763	rBV2	87147	128137	5.80%	0.381%
36	10.956	772	776	777	rBV4	39092	74118	3.35%	0.221%
37	11.036	780	783	784	rVB3	16476	27007	1.22%	0.080%
38	11.105	784	789	791	rBV3	34342	77672	3.51%	0.231%
39	11.150	791	793	795	rVB	144521	123485	5.59%	0.367%
40	11.242	795	801	804	rVB3	77960	217830	9.85%	0.648%
41	11.345	807	810	811	rBV	485663	570300	25.80%	1.697%
42	11.368	811	812	814	rVV	1320653	1087295	49.19%	3.235%
43	11.413	814	816	818	rVB	246006	305412	13.82%	0.909%
44	11.459	818	820	821	rBV2	29776	37480	1.70%	0.112%
45	11.573	827	830	832	rBV	155530	172754	7.81%	0.514%
46	11.642	834	836	837	rBV	54988	62517	2.83%	0.186%
47	11.676	837	839	842	rVB3	44257	51006	2.31%	0.152%
48	11.756	843	846	848	rVB2	23532	33729	1.53%	0.100%
49	11.848	851	854	855	rBV	166731	191960	8.68%	0.571%
50	11.871	855	856	858	rVB	277508	244526	11.06%	0.728%
51	11.916	858	860	862	rBV2	70682	83511	3.78%	0.248%
52	11.951	862	863	868	rVB	262733	427592	19.34%	1.272%
53	12.053	870	872	873	rVB2	35907	31249	1.41%	0.093%
54	12.133	877	879	881	rVV	118088	148560	6.72%	0.442%
55	12.168	881	882	884	rVB	187601	150563	6.81%	0.448%
56	12.293	890	893	894	rBV2	48302	81289	3.68%	0.242%
57	12.316	894	895	896	rVV	41712	46865	2.12%	0.139%
58	12.396	899	902	903	rBV	120777	129241	5.85%	0.385%
59	12.431	903	905	908	rVB3	74679	133509	6.04%	0.397%
60	12.488	908	910	912	rBV	115625	143714	6.50%	0.428%
61	12.556	914	916	919	rBV	1254894	1474766	66.71%	4.388%
62	12.625	919	922	923	rVV2	40395	66152	2.99%	0.197%
63	12.705	926	929	931	rVV2	72724	101986	4.61%	0.303%
64	12.785	931	936	939	rVV2	1109053	1617136	73.15%	4.812%
65	12.831	939	940	943	rVB2	75067	96789	4.38%	0.288%
66	12.934	946	949	951	rVV	1350129	1731592	78.33%	5.152%
67	13.002	952	955	959	rBV3	96972	234669	10.62%	0.698%
68	13.116	961	965	966	rVB	153689	255541	11.56%	0.760%
69	13.185	966	971	972	rBV	76551	147006	6.65%	0.437%
70	13.219	972	974	978	rBV2	144840	218035	9.86%	0.649%
71	13.311	980	982	983	rBV	81922	70712	3.20%	0.210%

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72	13.345	983	985	986	rBV	64109	73543	3.33%	0.219%
73	13.459	994	995	996	rBV	39208	29446	1.33%	0.088%
74	13.631	1008	1010	1012	rVB	105615	124839	5.65%	0.371%
75	13.734	1017	1019	1022	rBV2	156892	265417	12.01%	0.790%
76	13.802	1022	1025	1026	rVV2	79204	165814	7.50%	0.493%
77	13.836	1026	1028	1031	rVB	171790	208598	9.44%	0.621%
78	13.974	1038	1040	1042	rBV2	625759	1048639	47.44%	3.120%
79	14.008	1042	1043	1046	rVV	479824	531589	24.05%	1.582%
80	14.088	1048	1050	1052	rBV	96034	90420	4.09%	0.269%
81	14.214	1059	1061	1063	rVB2	55442	74658	3.38%	0.222%
82	14.339	1070	1072	1073	rBV	46830	63316	2.86%	0.188%
83	14.374	1073	1075	1076	rVV	123347	128704	5.82%	0.383%
84	14.408	1076	1078	1080	rVV3	55681	68797	3.11%	0.205%
85	14.499	1084	1086	1089	rVB3	70737	132002	5.97%	0.393%
86	14.682	1100	1102	1107	rVB4	52122	108160	4.89%	0.322%
87	14.865	1116	1118	1121	rBV2	64573	131550	5.95%	0.391%
88	15.014	1128	1131	1136	rBV	584329	1149515	52.00%	3.420%
89	15.117	1138	1140	1143	rBV	97051	124296	5.62%	0.370%
90	15.299	1154	1156	1159	rVB	323110	388845	17.59%	1.157%
91	15.357	1159	1161	1164	rBV	359814	501901	22.70%	1.493%
92	15.414	1164	1166	1168	rBV	202053	304282	13.76%	0.905%
93	16.477	1256	1259	1261	rBV4	28210	49892	2.26%	0.148%
94	16.637	1271	1273	1275	rBV2	22452	38158	1.73%	0.114%
95	16.831	1287	1290	1294	rVB	201837	407737	18.44%	1.213%
96	16.991	1302	1304	1307	rBV	33705	71723	3.24%	0.213%
97	17.048	1307	1309	1313	rVB2	31733	61654	2.79%	0.183%
98	17.254	1324	1327	1334	rVB	143791	305795	13.83%	0.910%
99	17.505	1346	1349	1355	rVB	33425	104856	4.74%	0.312%
100	19.437	1513	1518	1523	rBV	29727	109672	4.96%	0.326%

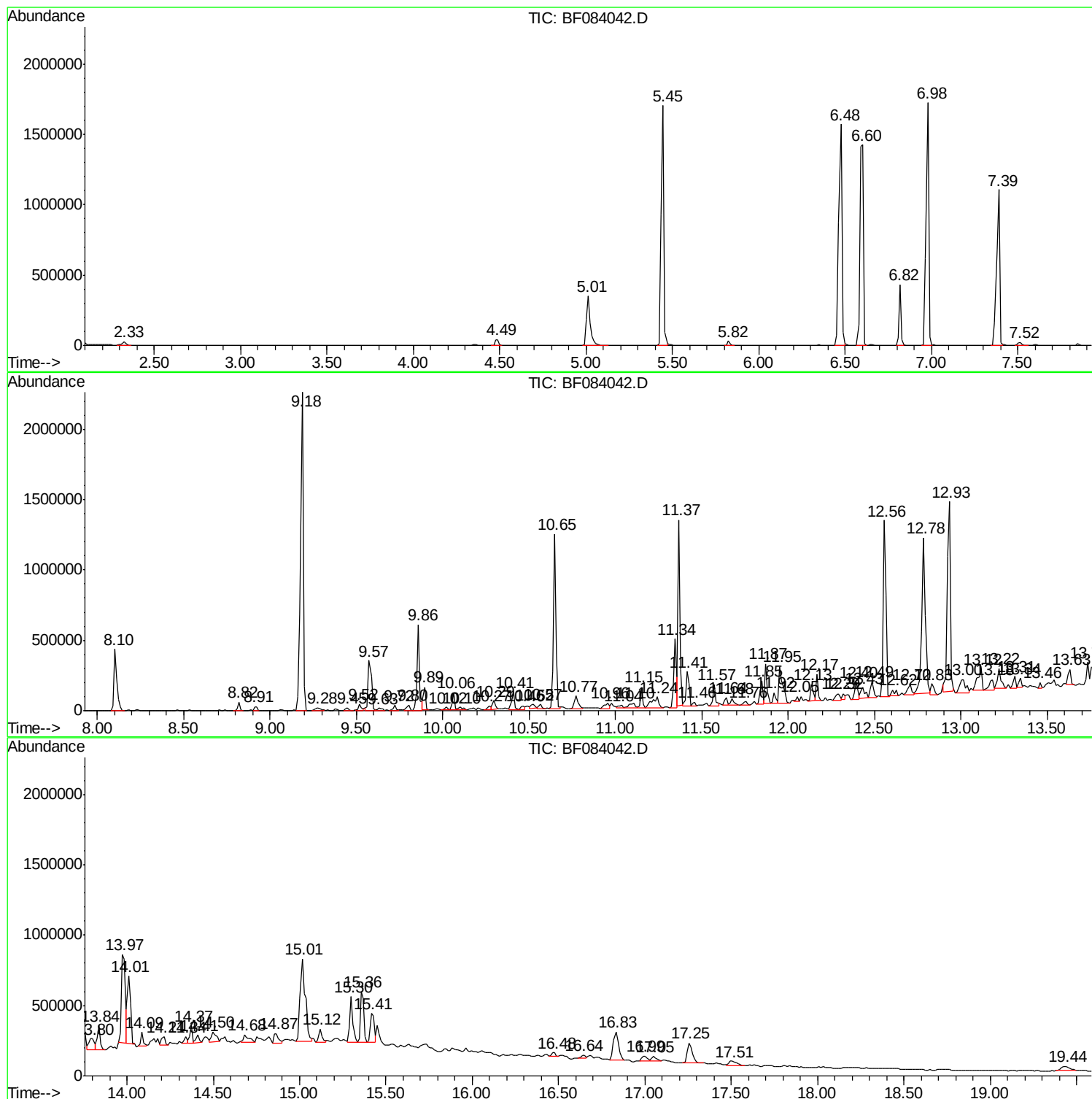
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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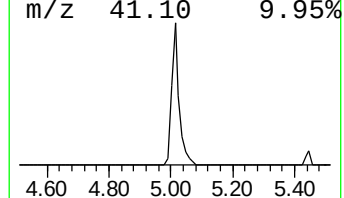
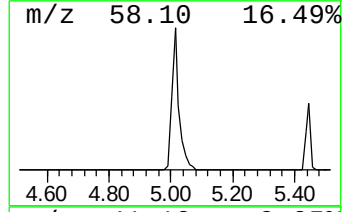
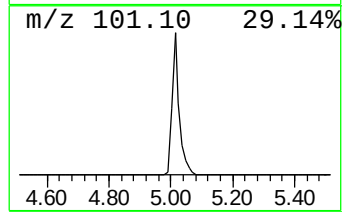
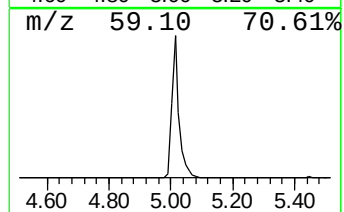
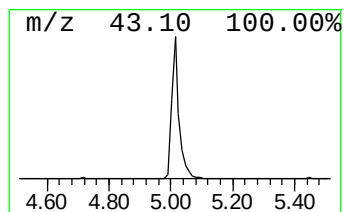
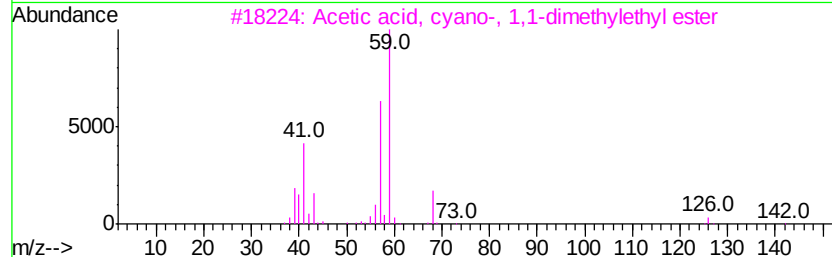
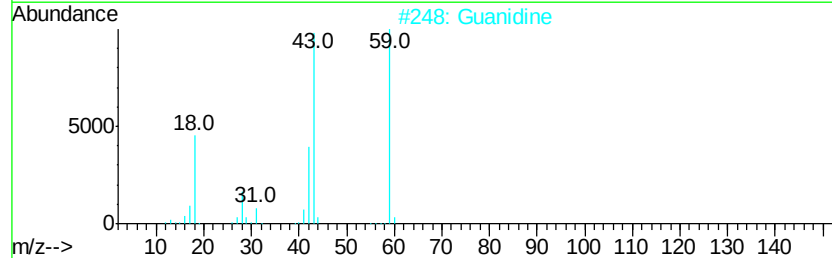
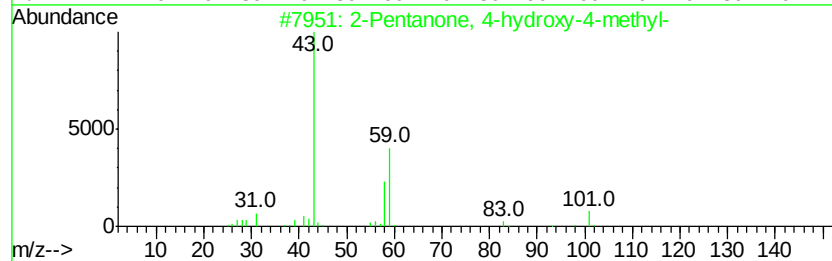
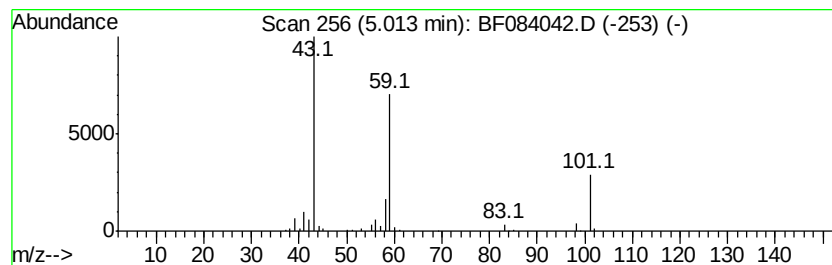
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	31.40 ng	570974	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2		Guanidine	59	CH5N3	000113-00-8	43
3		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
5		Acetone	58	C3H6O	000067-64-1	10



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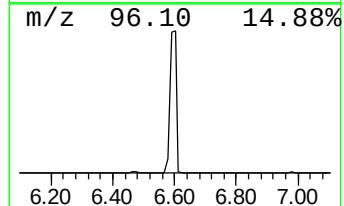
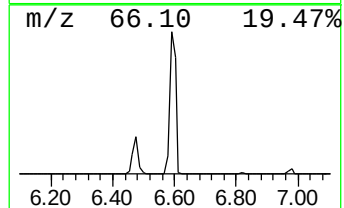
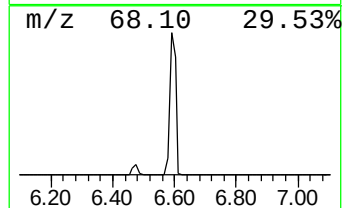
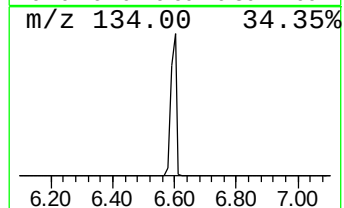
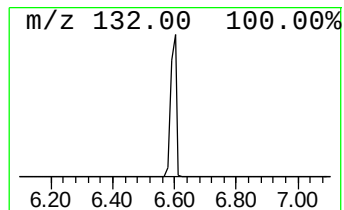
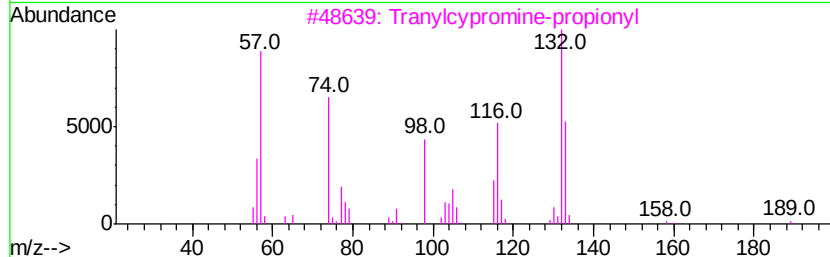
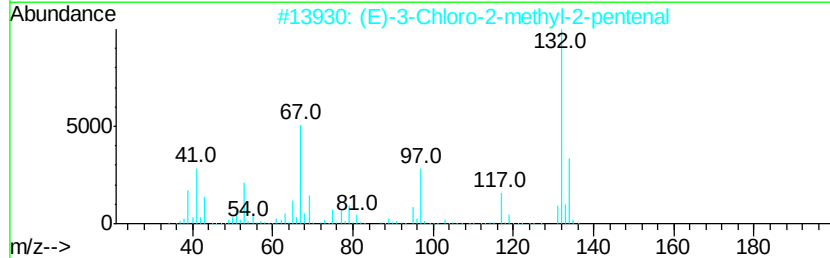
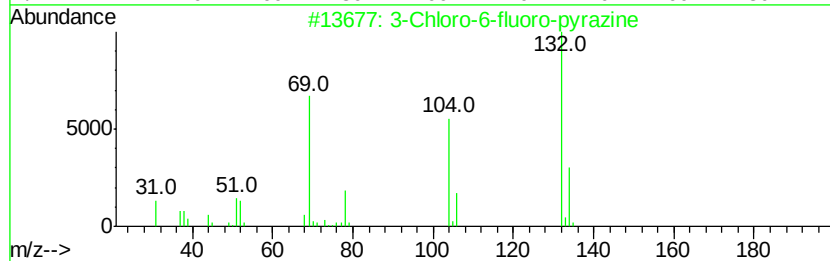
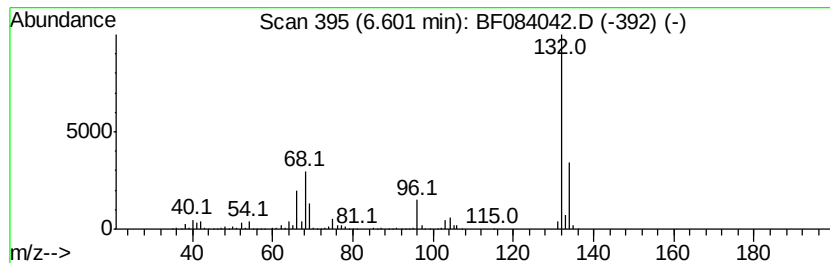
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	112.96 ng	2054420	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	16
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
5		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	9



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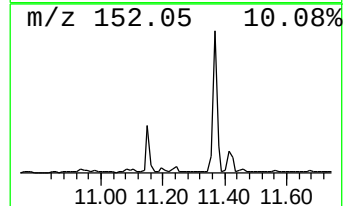
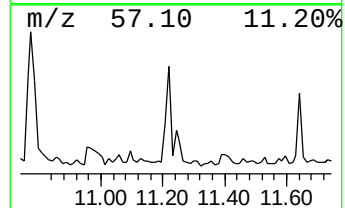
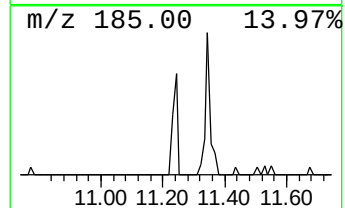
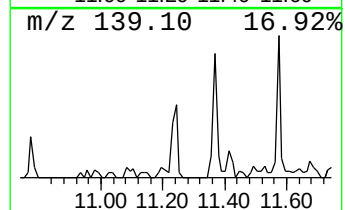
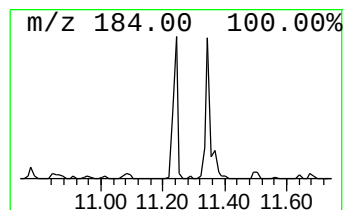
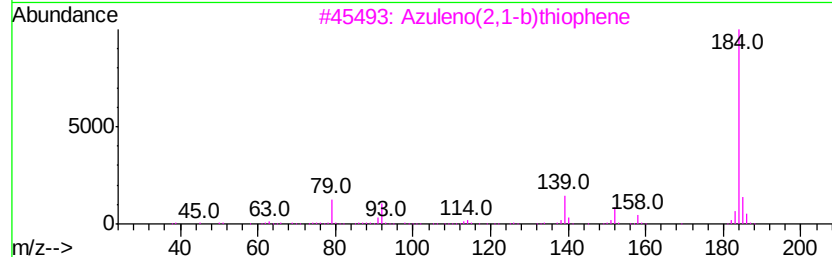
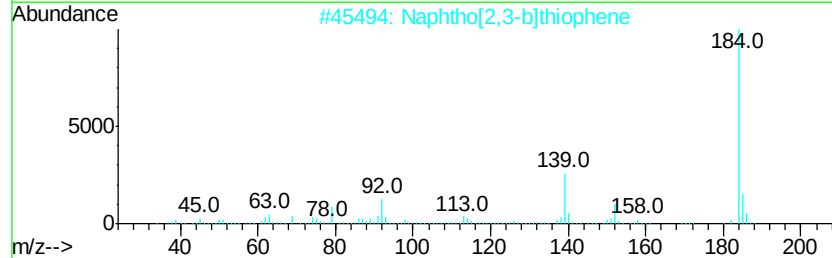
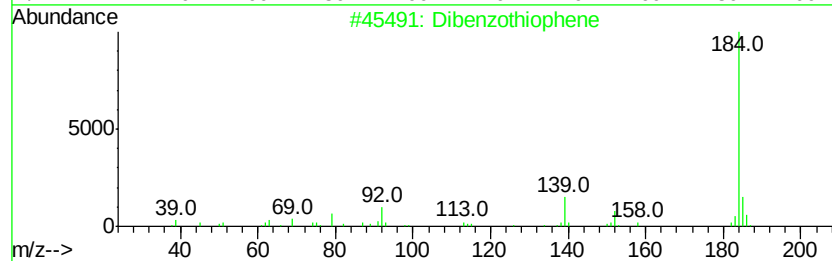
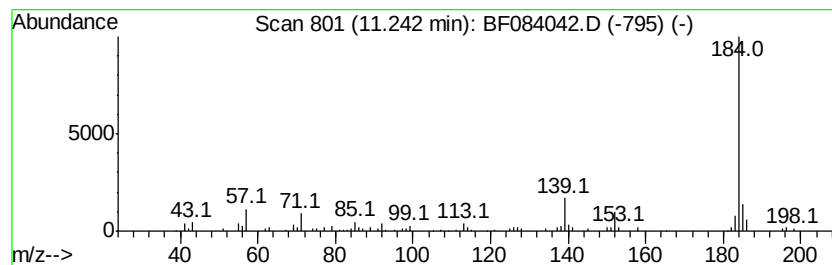
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Peak Number 4 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	7.64 ng	217830	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	94
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084042.D
Acq On : 23 Dec 2015 19:16
Operator : UM/SJ
Sample : G4912-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

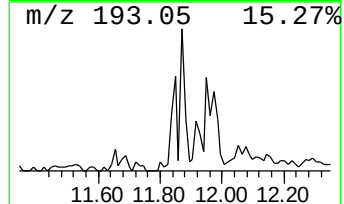
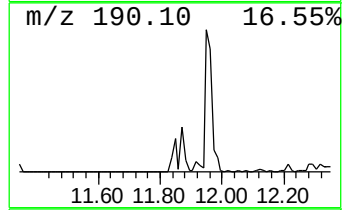
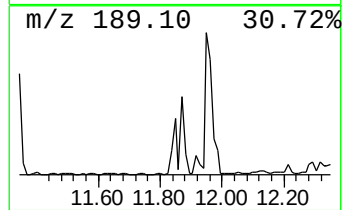
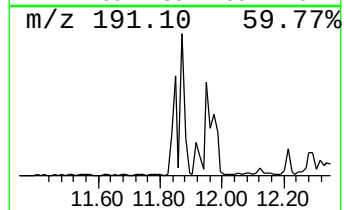
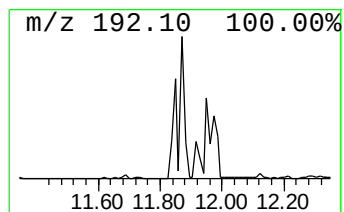
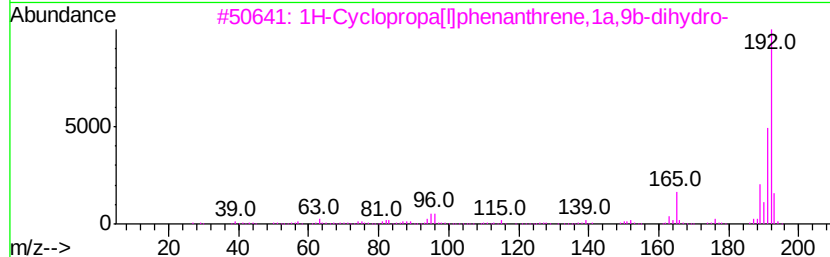
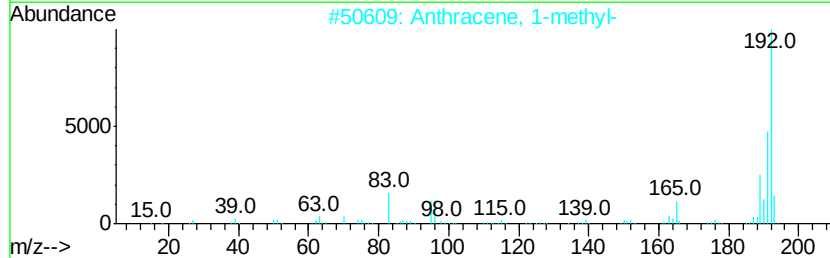
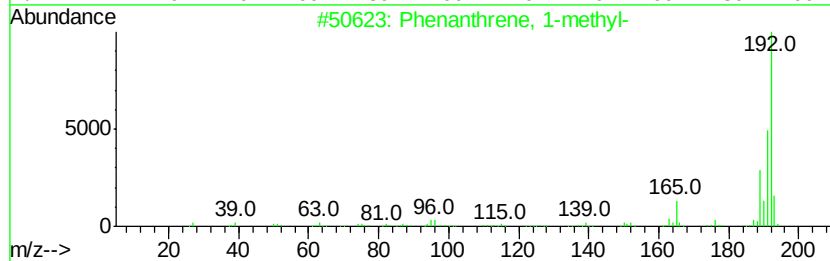
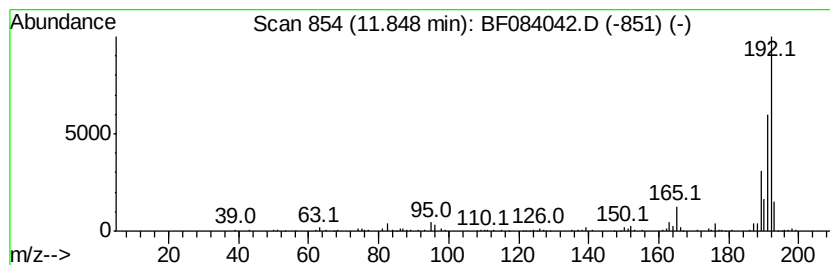
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	6.73 ng	191960	Phenanthrene-d10	11.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
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Acq On : 23 Dec 2015 19:16
Operator : UM/SJ
Sample : G4912-03
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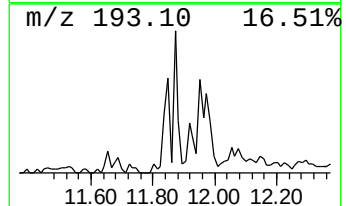
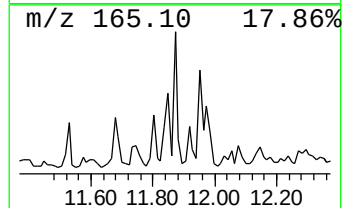
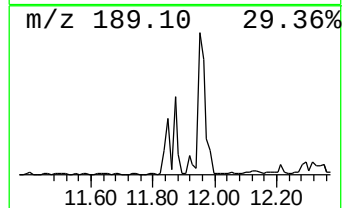
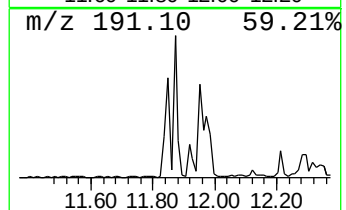
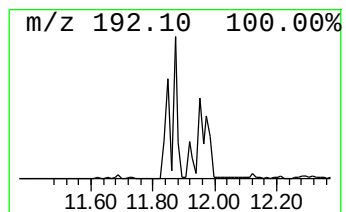
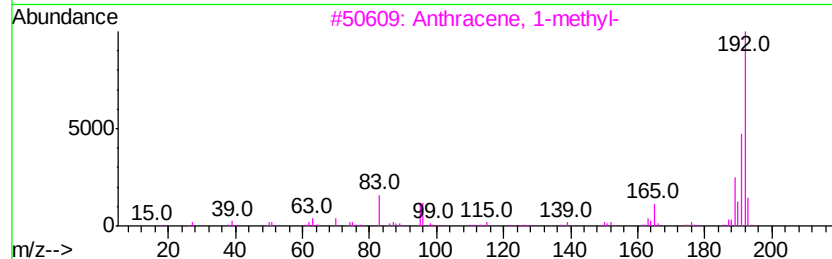
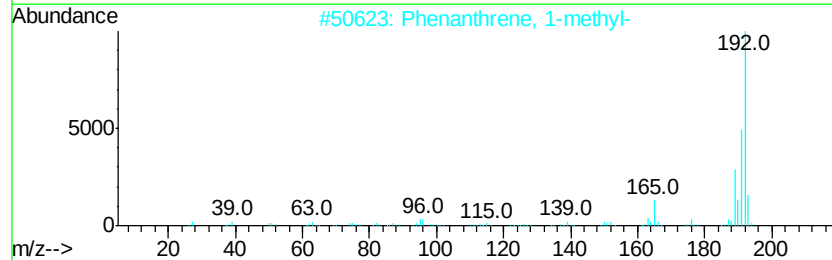
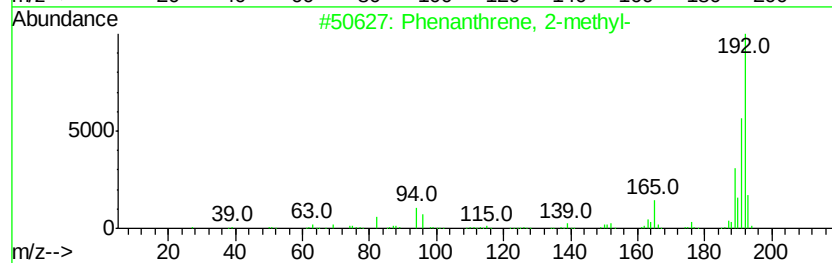
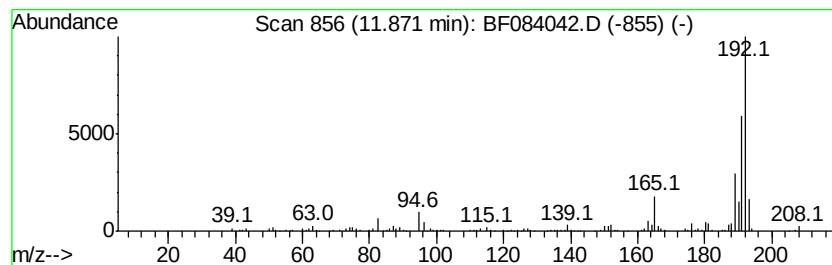
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.87	8.58 ng	244526	Phenanthrene-d10	11.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122315\
Data File : BF084042.D
Acq On : 23 Dec 2015 19:16
Operator : UM/SJ
Sample : G4912-03
Misc :
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Instrument :
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ClientSampleId :
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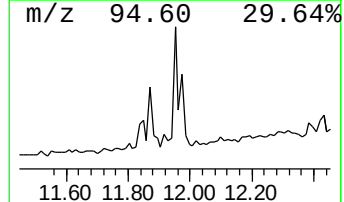
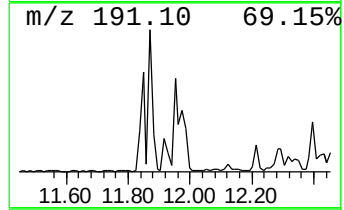
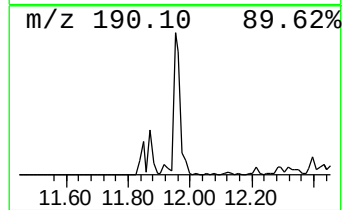
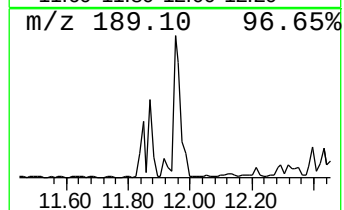
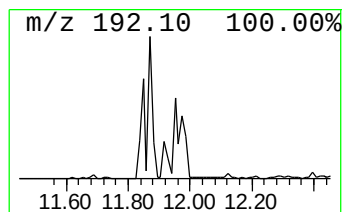
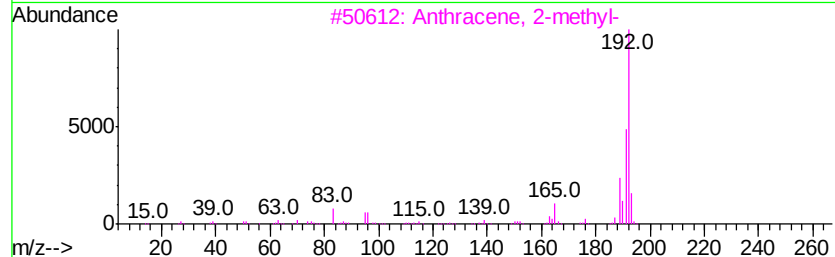
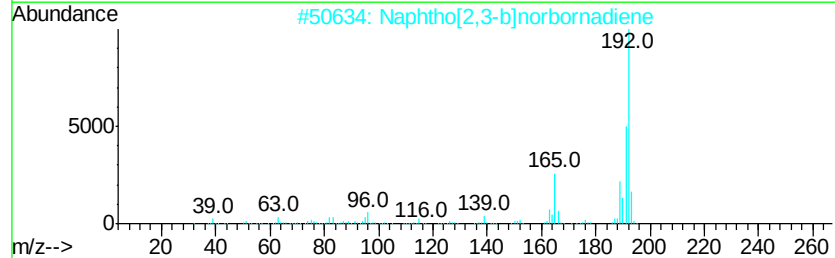
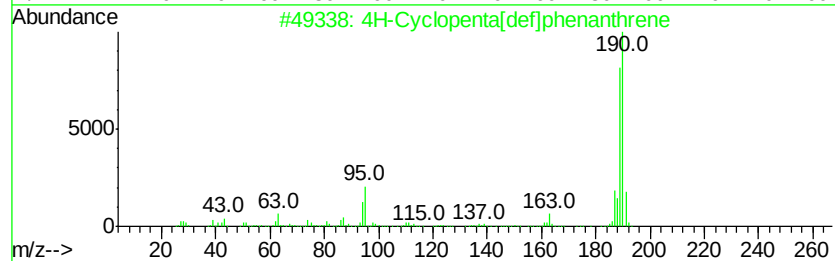
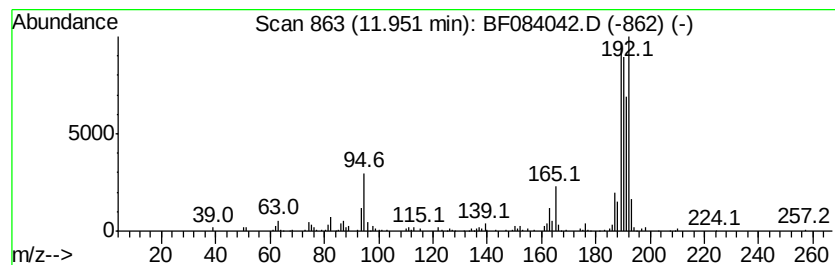
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	15.00 ng	427592	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	42
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084042.D
Acq On : 23 Dec 2015 19:16
Operator : UM/SJ
Sample : G4912-03
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ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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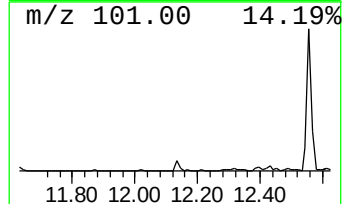
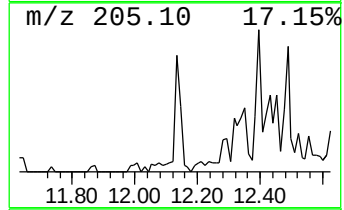
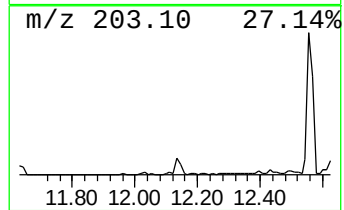
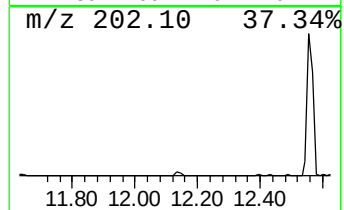
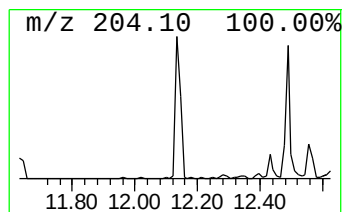
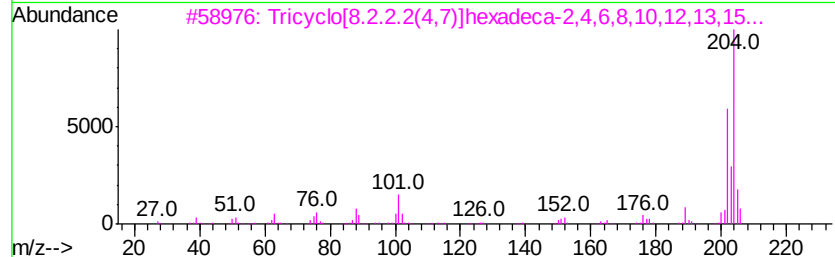
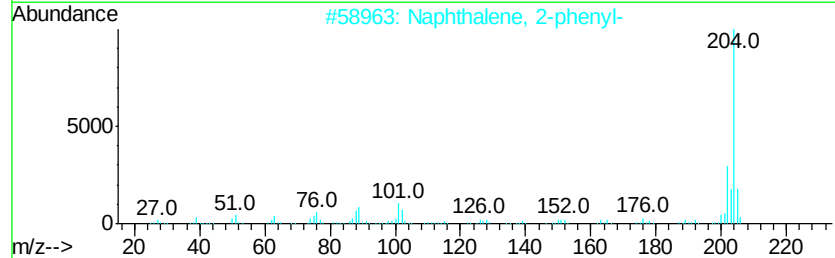
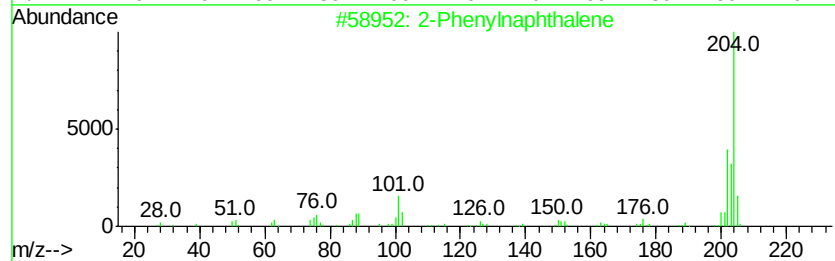
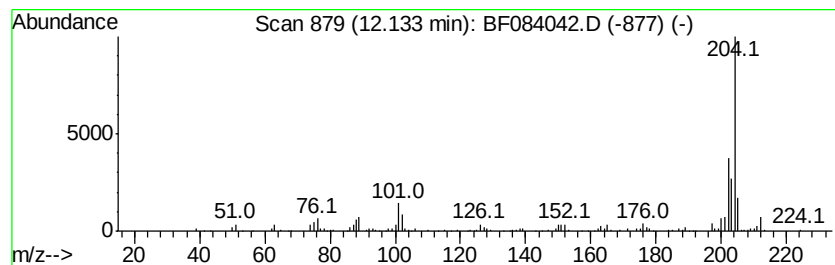
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 2-Phenylnaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	5.21 ng	148560	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084042.D
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Instrument :
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ClientSampleId :
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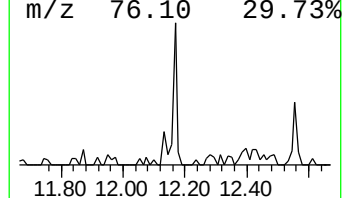
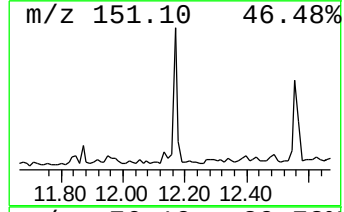
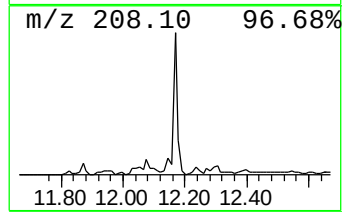
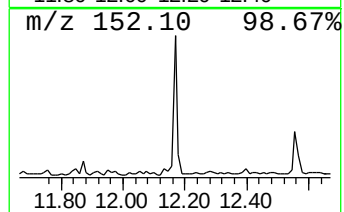
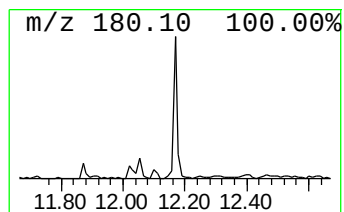
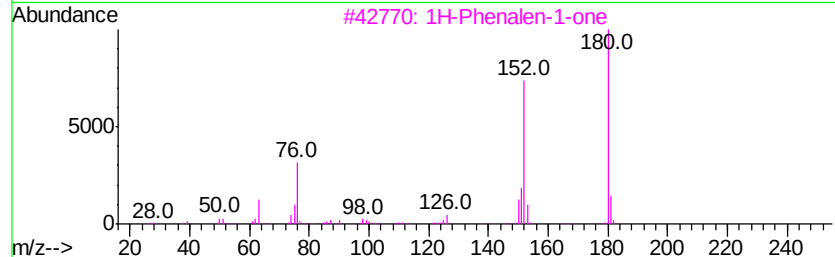
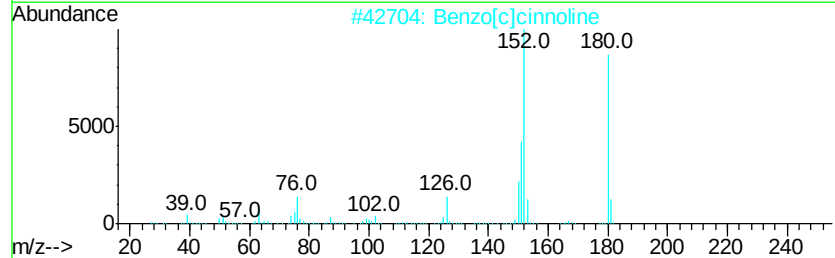
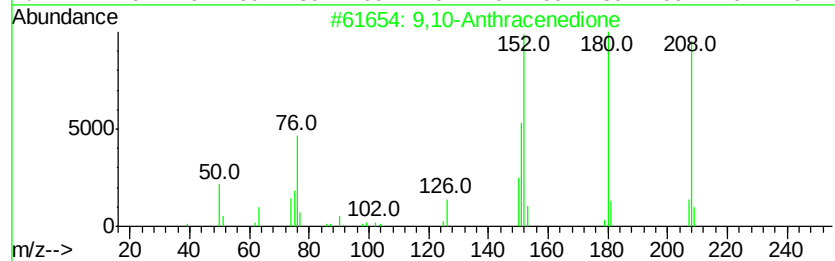
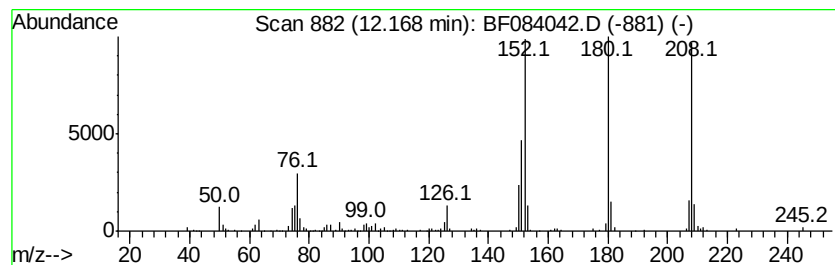
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	5.28 ng	150563	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4		1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122315\
Data File : BF084042.D
Acq On : 23 Dec 2015 19:16
Operator : UM/SJ
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ALS Vial : 27 Sample Multiplier: 1

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ClientSampleId :
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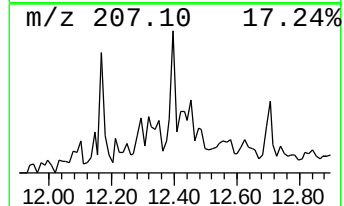
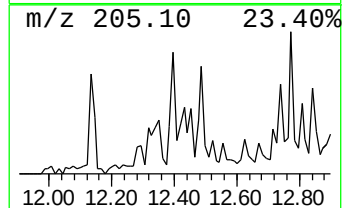
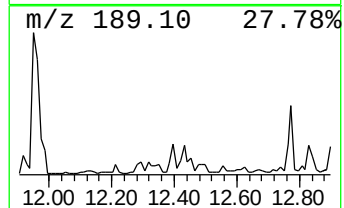
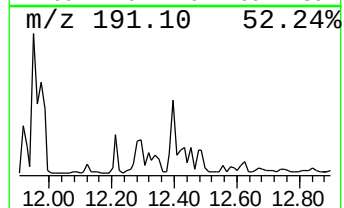
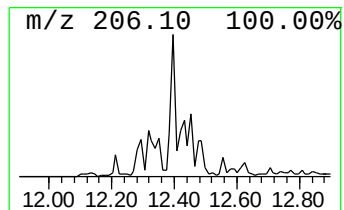
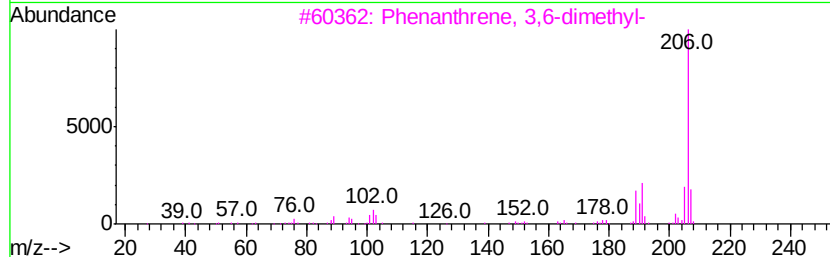
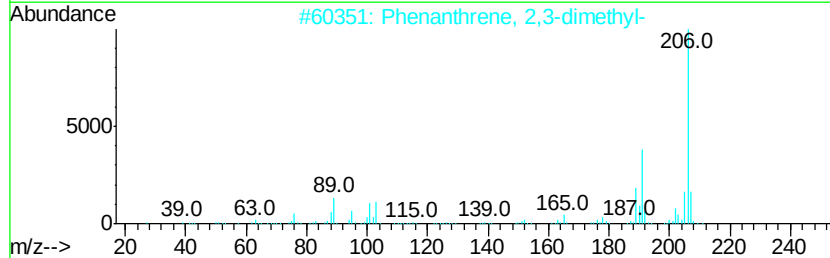
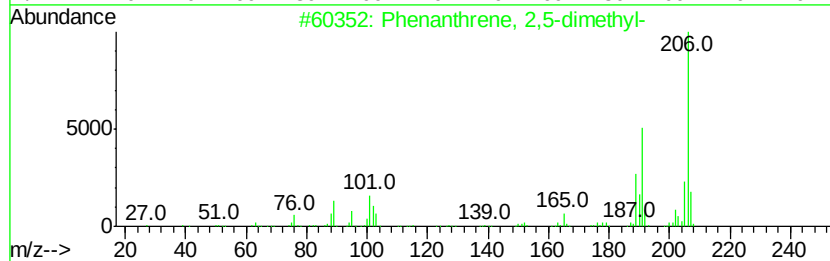
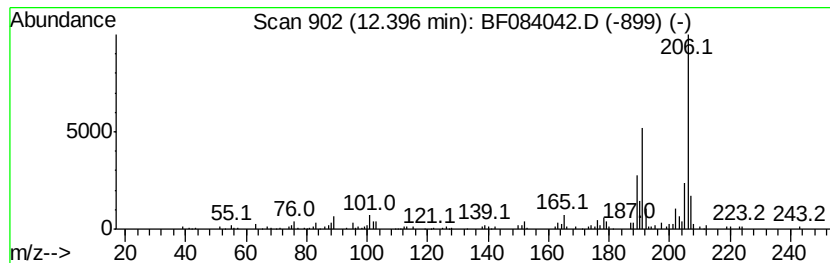
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	4.53 ng	129241	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5			1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
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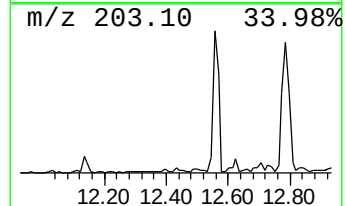
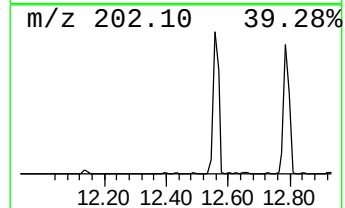
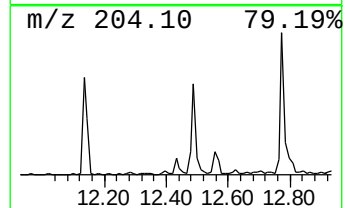
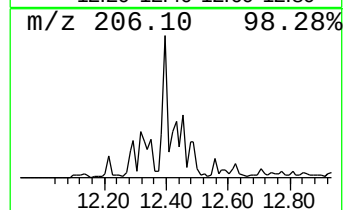
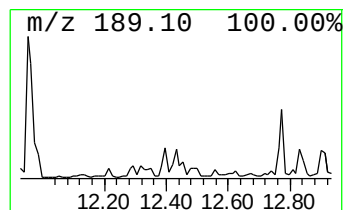
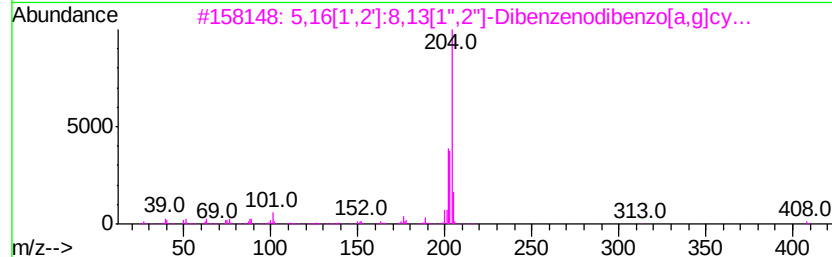
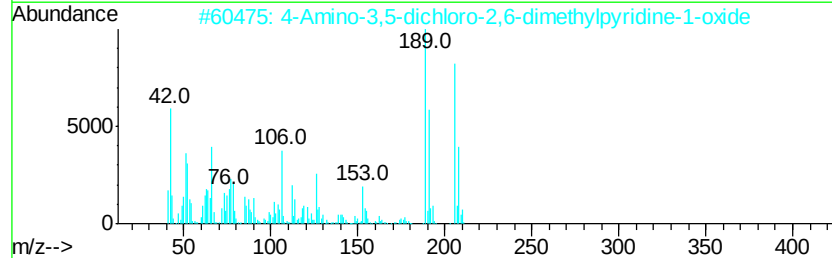
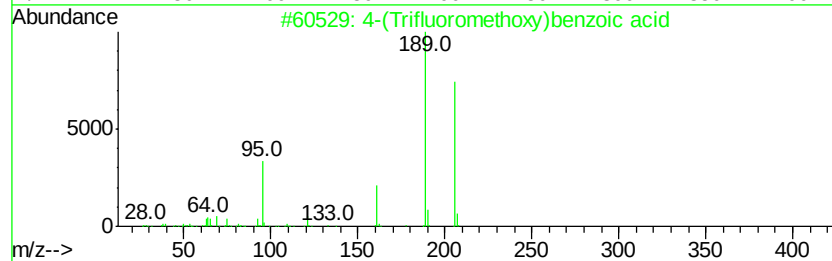
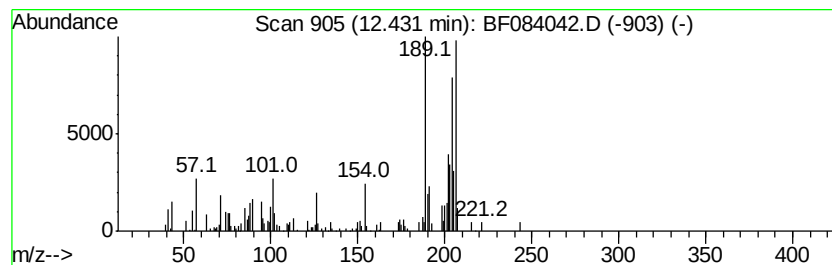
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 unknown12.43 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	4.68 ng	133509	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	4	(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	30
2	4	Amino-3,5-dichloro-2,6-dimethy...	206	C7H8Cl2N2O	1000227-19-9	30
3	5,16[1',2'l:8,13[1'',2'l-Dibenz...	408	C32H24		005672-97-9	27
4	Phenanthrene, 2,7-dimethyl-	206	C16H14		001576-69-8	27
5	Cyclopropa[a]dibenzo[c,f]cyclohe...	236	C17H16O		1000210-38-0	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084042.D
Acq On : 23 Dec 2015 19:16
Operator : UM/SJ
Sample : G4912-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2(0-2)

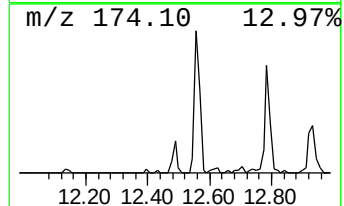
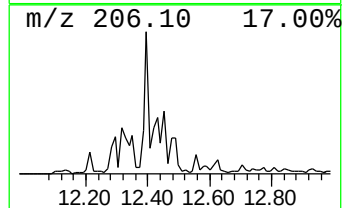
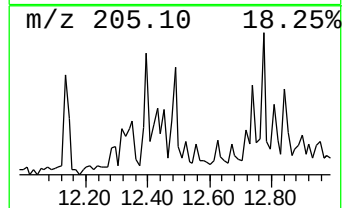
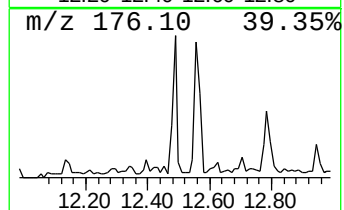
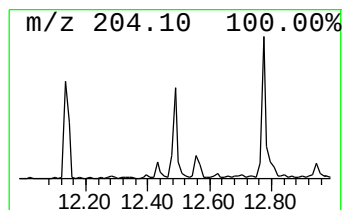
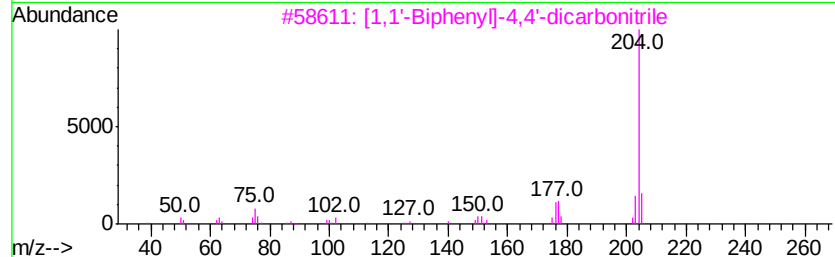
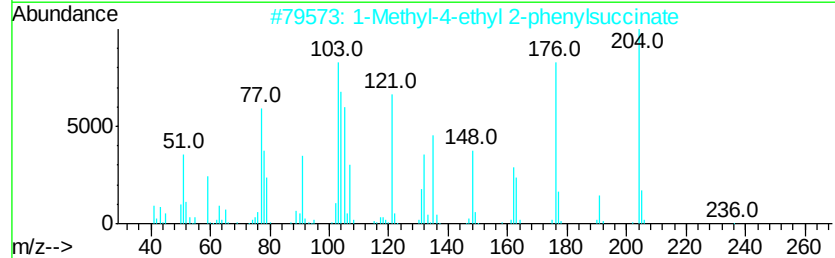
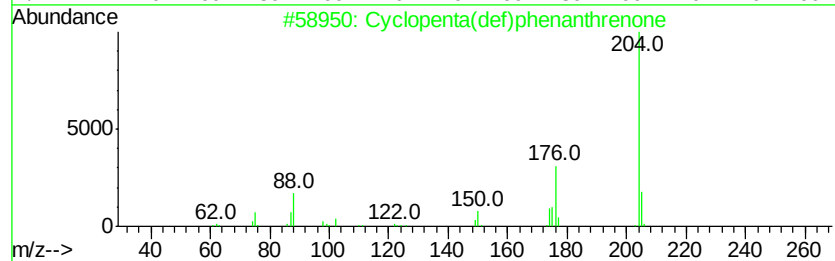
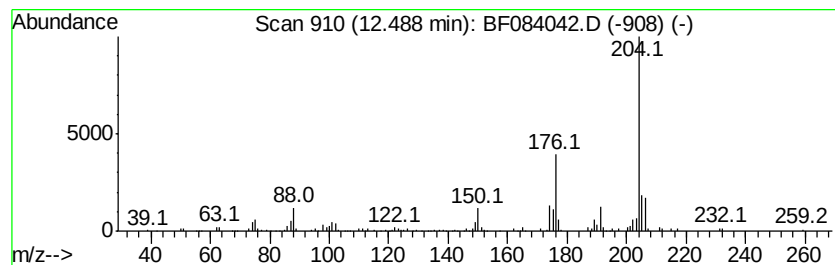
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	5.04 ng	143714	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		1-Methyl-4-ethyl 2-phenylsuccinate	236	C13H16O4	132545-36-9	53
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4		Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
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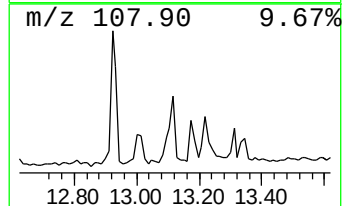
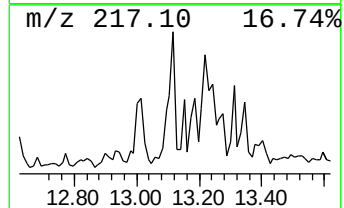
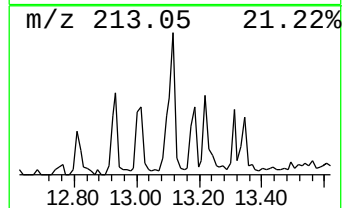
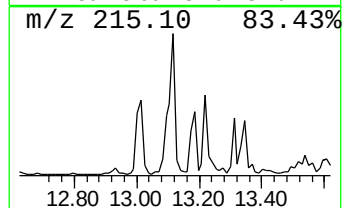
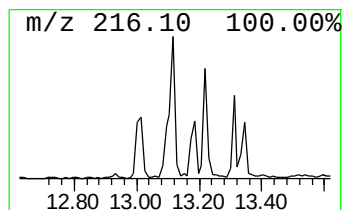
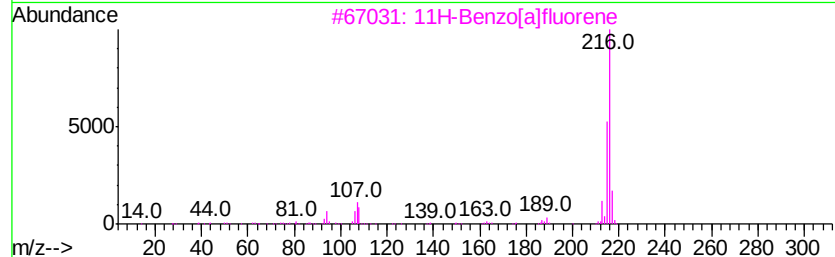
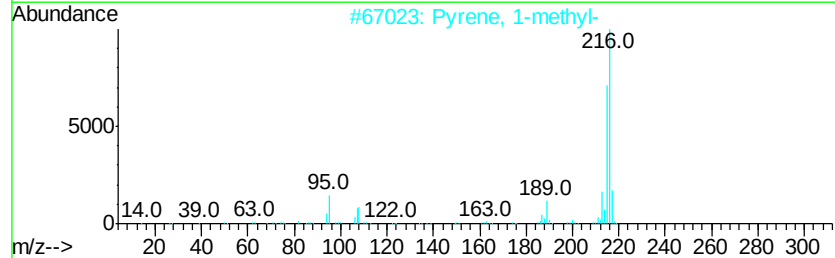
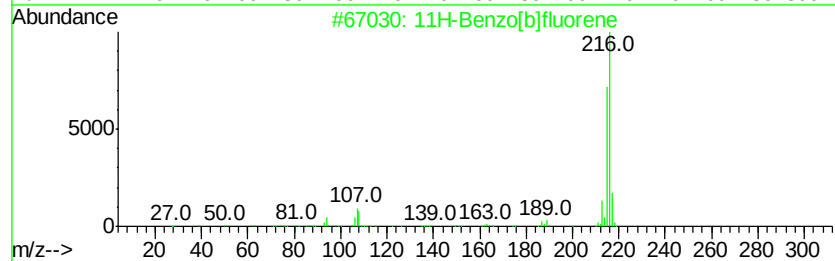
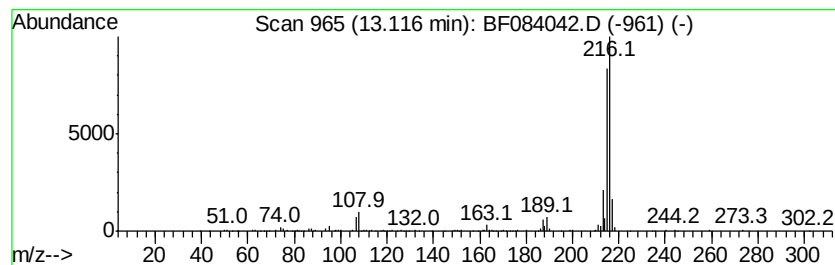
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	4.87 ng	255541	Chrysene-d12	13.98
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 94
2		Pyrene, 1-methyl-	216 C17H12	002381-21-7 94
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 91
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 87
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
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Sample : G4912-03
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ALS Vial : 27 Sample Multiplier: 1

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ClientSampleId :
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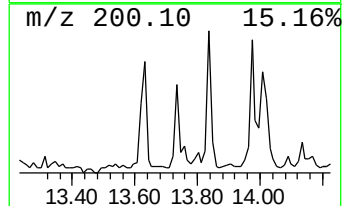
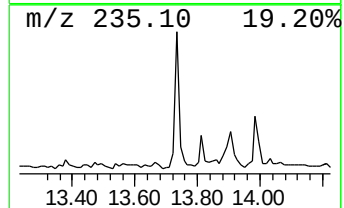
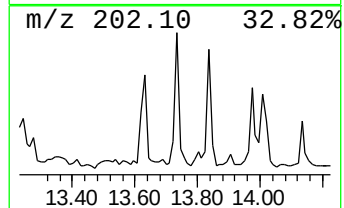
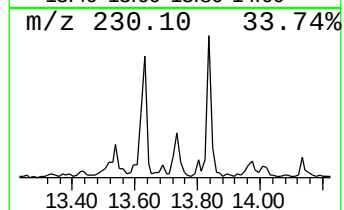
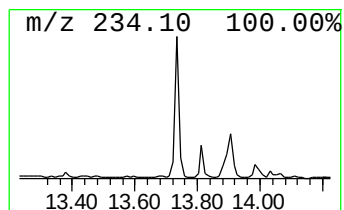
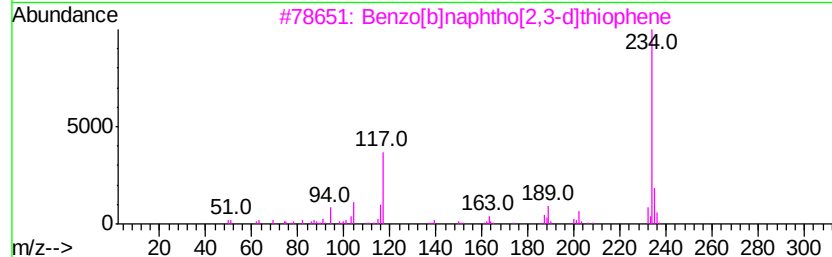
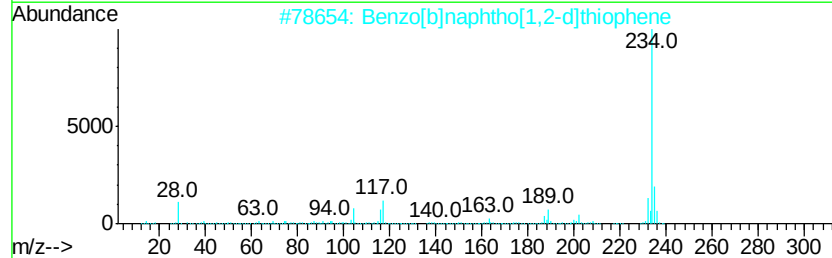
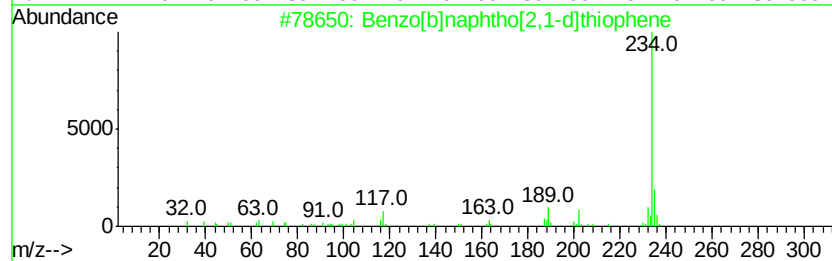
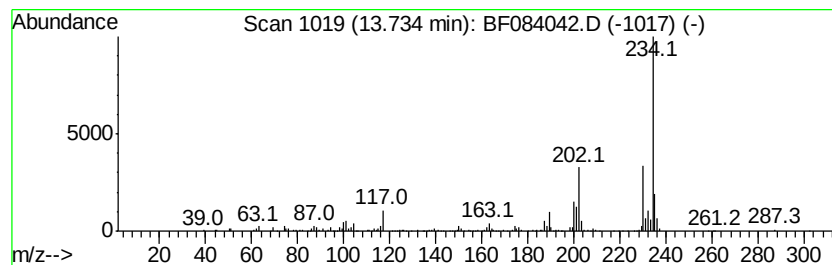
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	5.06 ng	265417	Chrysene-d12	13.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	83
3			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
4			Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	47
5			2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084042.D
Acq On : 23 Dec 2015 19:16
Operator : UM/SJ
Sample : G4912-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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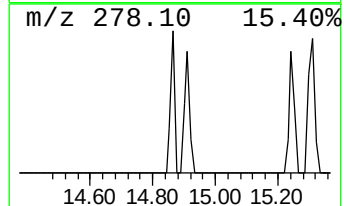
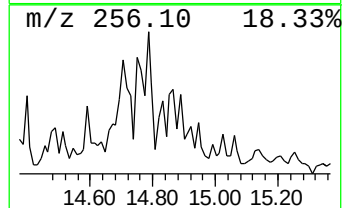
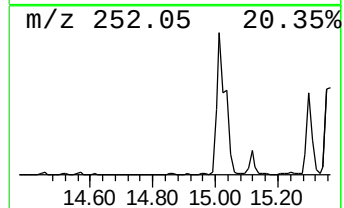
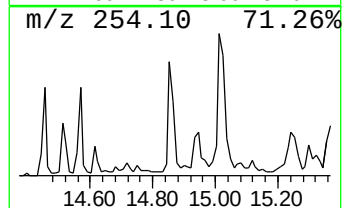
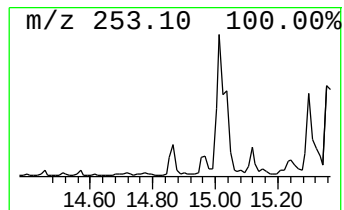
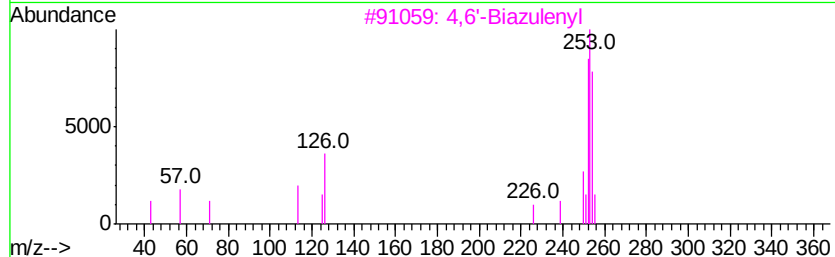
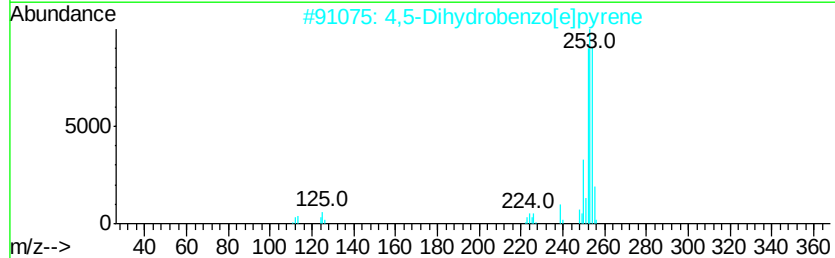
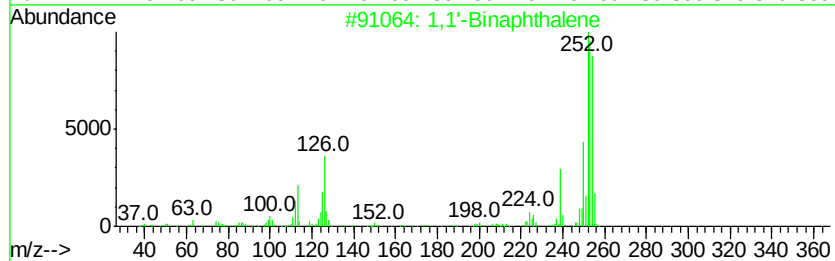
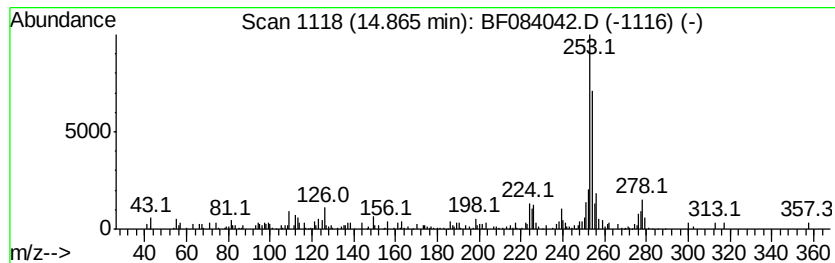
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 1,1'-Binaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	8.65 ng	131550	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	70
2		4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9	64
3		4,6'-BiazulenyI	254	C20H14	094154-49-1	64
4		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	62
5		7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
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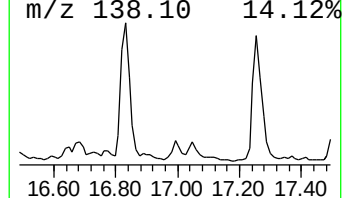
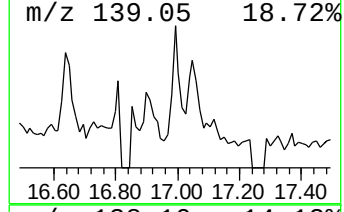
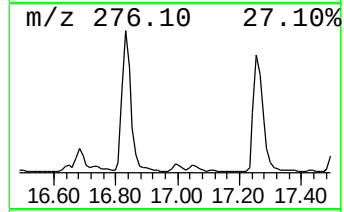
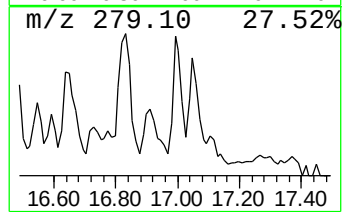
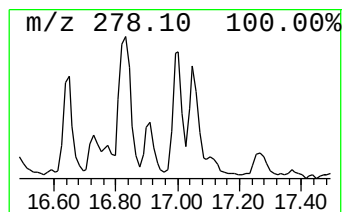
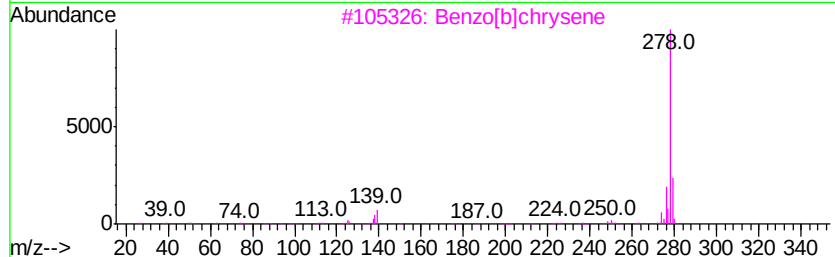
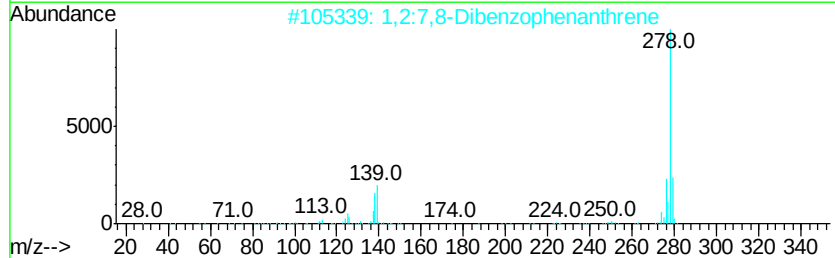
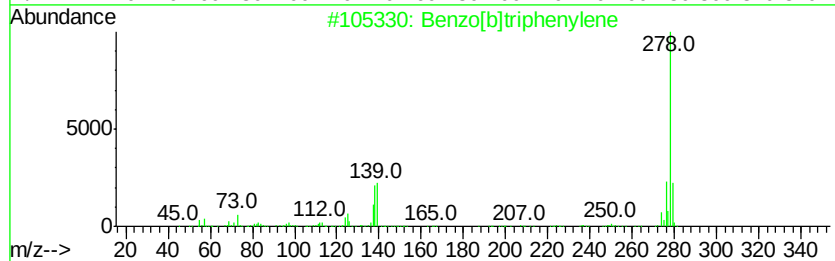
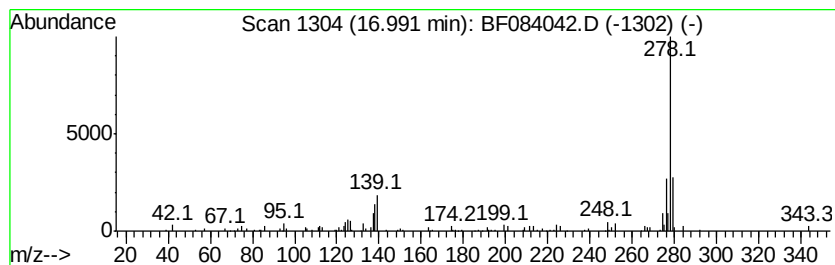
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[b]triphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.99	4.71 ng	71723	Perylene-d12	15.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	92
3	Benzo[b]chrysene	278	C22H14	000214-17-5	90
4	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	90
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
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Sample : G4912-03
Misc :
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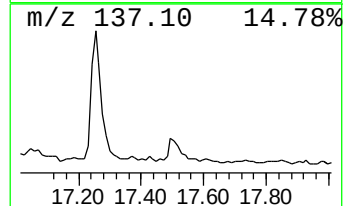
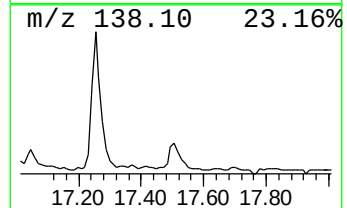
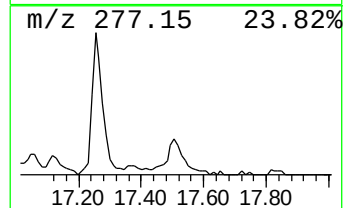
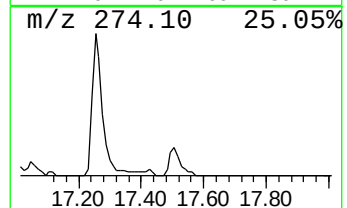
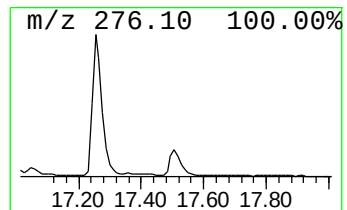
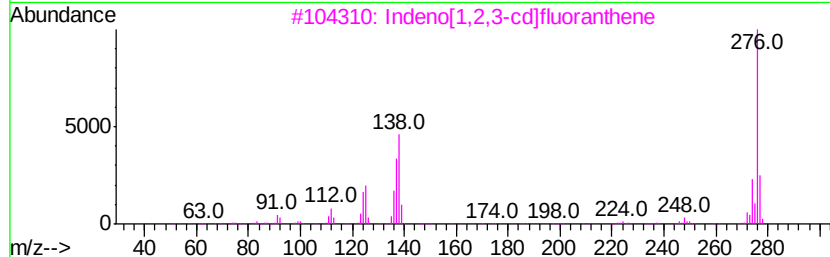
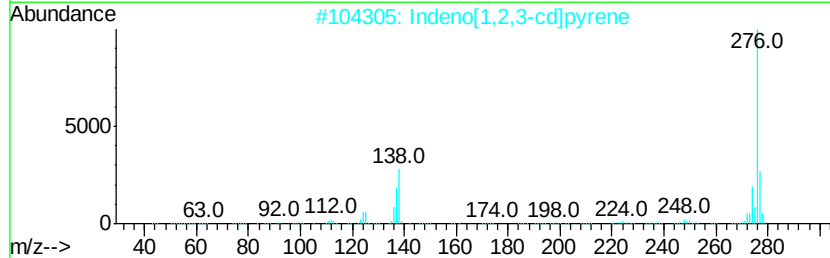
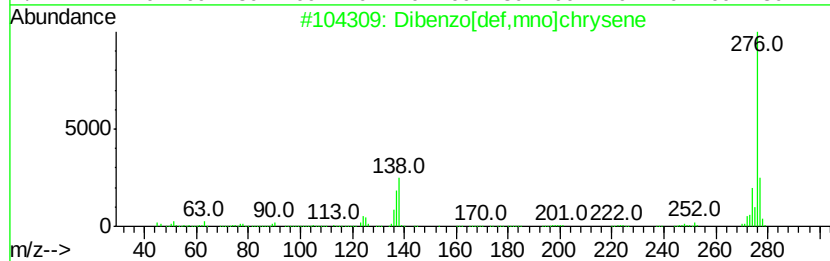
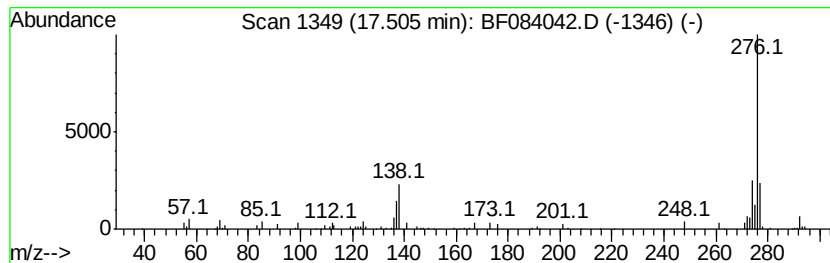
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.51	6.89 ng	104856	Perylene-d12	15.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	74
5	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084042.D
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Operator : UM/SJ
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ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
STOCKPILE-2(0-2)

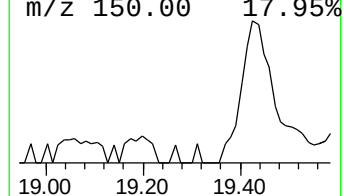
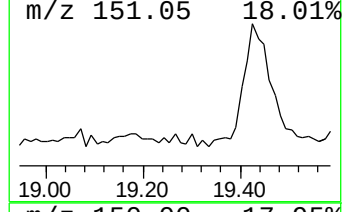
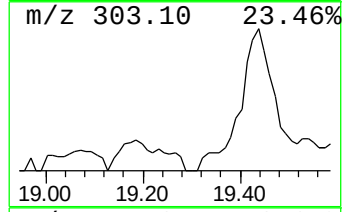
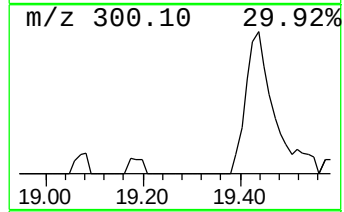
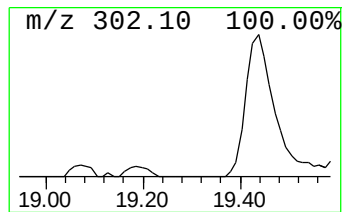
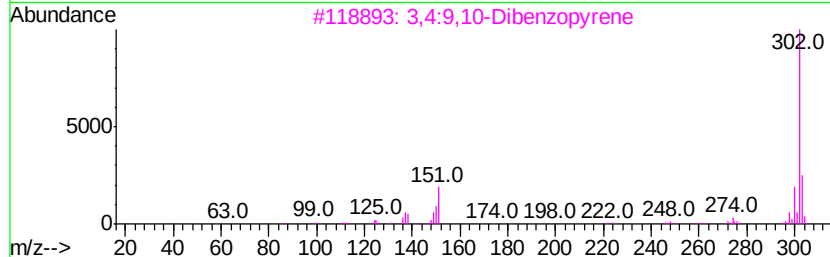
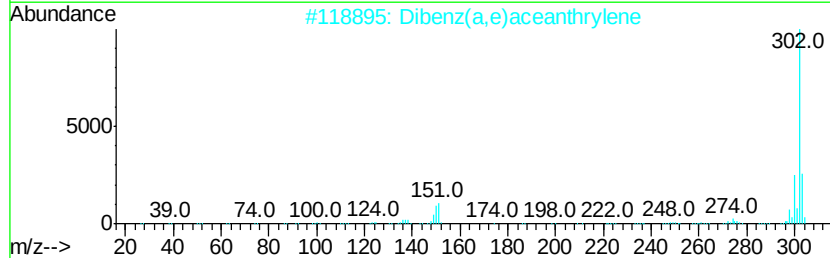
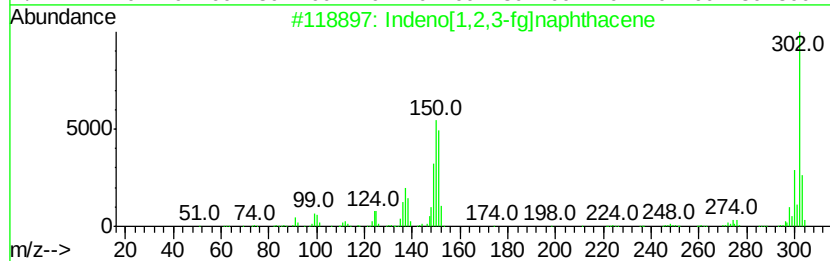
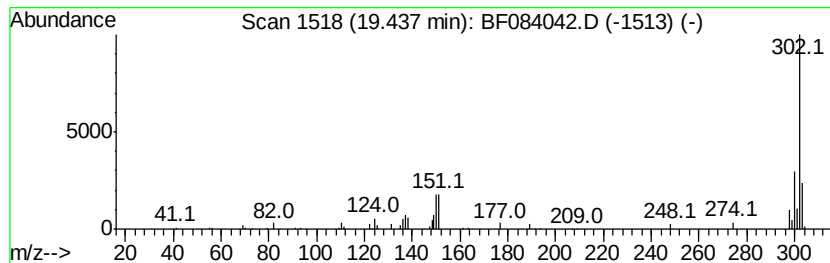
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Indeno[1,2,3-fg]naphthacene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	7.21 ng	109672	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	81
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	81
3		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	76
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	76
5		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122315\
 Data File : BF084042.D
 Acq On : 23 Dec 2015 19:16
 Operator : UM/SJ
 Sample : G4912-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.01	31.4	ng	570974	1	6.82	363731	20.0
unknown6.60	6.60	113.0	ng	2054420	1	6.82	363731	20.0
Dibenzothiophene	11.24	7.6	ng	217830	4	11.34	570300	20.0
Phenanthrene, 1-m...	11.85	6.7	ng	191960	4	11.34	570300	20.0
Phenanthrene, 2-m...	11.87	8.6	ng	244526	4	11.34	570300	20.0
4H-Cyclopenta[def...	11.95	15.0	ng	427592	4	11.34	570300	20.0
2-Phenylnaphthalene	12.13	5.2	ng	148560	4	11.34	570300	20.0
9,10-Anthracenedione	12.17	5.3	ng	150563	4	11.34	570300	20.0
Phenanthrene, 2,5...	12.40	4.5	ng	129241	4	11.34	570300	20.0
unknown12.43	12.43	4.7	ng	133509	4	11.34	570300	20.0
Cyclopenta(def)ph...	12.49	5.0	ng	143714	4	11.34	570300	20.0
11H-Benzo[b]fluorene	13.12	4.9	ng	255541	5	13.98	1048640	20.0
Benzo[b]naphtho[2...	13.73	5.1	ng	265417	5	13.98	1048640	20.0
1,1'-Binaphthalene	14.87	8.7	ng	131550	6	15.43	304282	20.0
Benzo[b]triphenylene	16.99	4.7	ng	71723	6	15.43	304282	20.0
Dibenzo[def,mno]c...	17.51	6.9	ng	104856	6	15.43	304282	20.0
Indeno[1,2,3-fg]n...	19.44	7.2	ng	109672	6	15.43	304282	20.0